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(54) Title: METHOD FOR IMPROVING PRODUCTIVITY OF PLANT BY CHLOROPLAST TECHNOLOGY

(57) Abstract: An object of the present invention is to provide a transformed plant which has high photosynthesis activity, and has promoted growth and productivity as compared with a wild strain, and has no fear of diffusion of an introduced gene by pollens, by expressing a trait of a specified gene by chloroplast technology in a higher plant. According to the present invention, there is provided a transformed plant using a gene recombinant vector having an expression cassette for enhancing photosynthesis activity, containing a DNA fragment comprising a gene encoding a protein having fructose-1,6-bisphosphatase sedoheptulose-1,7-bisphosphatase activities between a nucleotide sequence complementary to the chloroplast gene *rbcL* and the chloroplast gene *aacD*.

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